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Information Resources

Model: All

Production: All

OBJECTIVES

After completion of this module you will be able to:

- List the different information sources located in TIS.
- Demonstrate the ability to research all sources of technical information.
- Understand how information is organized in an S.I.B.
- Know the difference between a Service Action and a Recall.
- Identify the different media used to resource Information materials.
- Find Service Information Bulletins quickly using the TIS website.
- Demonstrate the ability to use an Electrical Troubleshooting Manual (ETM).

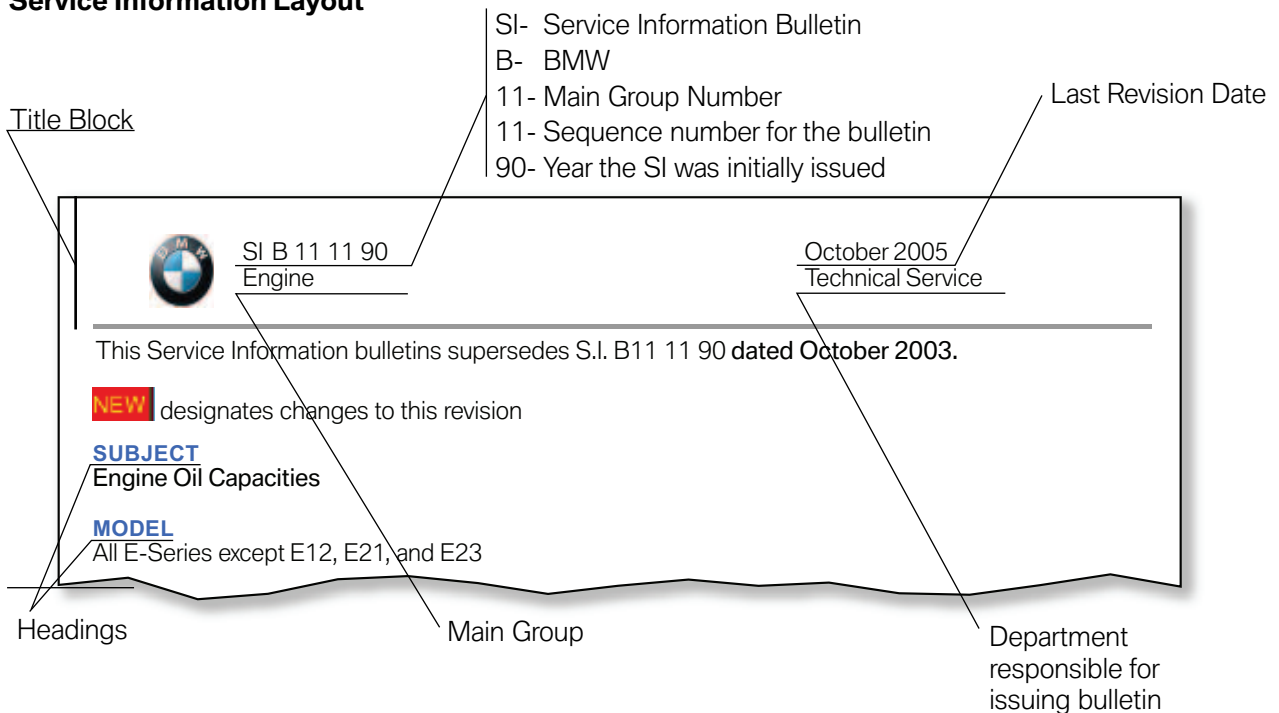
Information Resources

Service Information Bulletins

The purpose of the Service Information Bulletin is to communicate with the BMW Center Service Department. The SIB's are written by the Quality and Service Engineering Department and are designed to update/inform technicians and after-sales personnel concerning:

- Current Product Quality Solutions
- Diagnostic Equipment and Special Tool Information
- Service Measures, Service Actions and Recalls
- Administrative Procedures

Service Information Layout



If a SIB must be revised the number stays the same, only the revision date will be changed. (In this case the revision date is October 2005).

The Content Section of an SIB is broken into several headings:

- Subject
- Model
- Situation
- Correction
- Procedure
- Parts Information and Warranty Information

Service Actions and Recalls

There are two major kinds of service bulletins:

- Service Actions (Campaigns)
- Recalls

Service Information Bulletins that contain Service Actions and Federal Safety and Emissions Recalls must be treated with greater urgency than a normal informational bulletin. Every effort should be made to ensure that vehicles that fall under a certain Service Action or Recall is modified or repaired as quickly as possible.

The Key Reader software (SAM 2) or the DCS (Dealer Communication System) Vehicle Report is used to determine if a particular vehicle is affected or not. DCS reports should be run by the service advisor or dispatcher each time a vehicle is in the workshop for maintenance or repairs. The DCS report will include the code number and the applicable SIB reference.

■ Service Action

Service Actions, commonly are situations that BMW has determined require a modification or repair to a selected group of vehicles.


These concerns are not limited to safety or emissions but may involve anything that may be a potential cause of dissatisfaction for the vehicle owner.

BMW takes this pro-active approach to ensure that their customers are not inconvenienced by future problems when a production, manufacturing or design problem has been discovered.

Service Actions therefore allow the owners of older vehicles to enjoy some of the production improvements made on later vehicles.

Customers should be made aware of Service Actions that are applicable to their vehicles when the vehicles is in the workshop for service so that the necessary arrangements can be made to perform the corrective measure.

Service Actions are covered by the BMW New Vehicle Limited Warranty or Emissions Warranty.



SI B 11 02 04
Engine

April 2004
Technical Service

PERFORM THE PROCEDURE OUTLINED IN THIS SERVICE INFORMATION ON ALL AFFECTED VEHICLES BEFORE CUSTOMER DELIVERY OR THE NEXT TIME THEY ARE IN THE SHOP FOR MAINTENANCE OR REPAIRS.

SUBJECT
Service Action: Dipstick Guide Tube Retaining Tab Modification

MODEL
E53 X5 with the 4.6 liter M62 engine

SI B 11 02 04

■ Recalls

Recalls apply only to systems which affect passenger safety or the ability of the vehicle to meet Federal (EPA) or State (e.g. CARB) emissions standards. The federal and state agencies which oversee Highway Safety and Emissions have the authority to issue standards and require manufacturers to recall vehicles which do not meet those standards.

Many recalls are initiated voluntarily. Through their own testing and information gathering systems, manufacturers sometimes discover that a defect exists or that standards have not been met. Under Federal law, the manufacturer is required to report these findings to the Government and take action to correct them.


Unlike a Service Action, a recall requires that every owner of a potentially affected vehicle be notified by mail as soon as possible. The letter must include a brief description of the defect and any potential hazards created by the problem. The names of vehicle owners are obtained from individual State DMV (department of motor vehicle) offices.

In addition to the letters, BMW centers must inform their customers about the recall when they appear on the SAM 2 or DCS report.

Vehicles that are out of the normal warranty period may still have the repairs made free of charge as long as the time period for the recall has not expired.

After the Service Action or Recall has been completed, apply a campaign label with the appropriate code number to the B-pillar of the vehicle.

The Dealer number should be embossed in the center of the label and the code number punched out. This will make it easier for future service personnel to determine if the work has already been performed.

	SI B 11 05 03 Engine	September 2003 Service Engineering
<hr/>		
This Service Information bulletin supersedes S.I. B11 05 03 dated August 2003.		
PERFORM THE PROCEDURE OUTLINED IN THIS SERVICE INFORMATION ON ALL AFFECTED VEHICLES BEFORE CUSTOMER DELIVERY OR THE NEXT TIME THEY ARE IN THE SHOP FOR MAINTENANCE OR REPAIRS.		
Under the National Traffic and Motor Vehicle Safety Act of 1966, as amended, if there has been a recall campaign, centers must assure that all new vehicles and new items of replacement equipment are free of safety defects and comply with all applicable Federal Motor Vehicle Safety Standards at the time of delivery to the consumer. This means that centers may not deliver new motor vehicles or new items of replacement equipment to consumers unless the safety defect or noncompliance has been remedied before delivery.		
SUBJECT Recall Campaign 03V – 324: Retorque of Oil Drain Plug Located on Oil Filter Cover		
MODEL 745i, 745Li, and 760Li produced from 5/20/2003 through 7/18/2003		

SI B 11 05 03

Repair Instructions

Repair Instructions assist the technician to follow authorized repair procedures for disassembly, reassembly, maintenance, and troubleshooting for all models. They include:

- Special Tool
- Tightening
- Torque
- Technical Data Information.

The document number of the Repair Instructions uses the BMW Main group numbering system.

54- Main Group Number
12- Sub-Group Number
003- Work Operation

Description of instructions.

54 12 003 Adjusting glass slide/tilt sunroof lid



Special tools required:

- [00 9 315](#)
- [00 9 341](#)

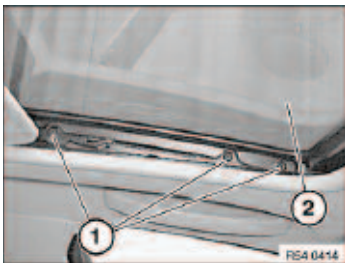
Link to special tools required.



Necessary preliminary tasks:

- Remove [gaiter](#)

Link to additional operations required.



Loosen left and right bolts (1).

Note:

To adjust, slacken screws (1) on left/right so that glass slide/tilt sunroof lid (2) can still just be adjusted.

Tightening torque [54 12 2AZ](#).

Link to obtain tightening torque.

Vehicle Technical Diagnosis (FTD)

The purpose of the FTD is to inform center personnel about new systems, vehicles and production changes. The FTD does not address any product quality concerns but might include information on operating parameters. The intention is informational only and can be found in ISTA.

A benefit of an FTD is that it is usually written before the product is released so that personnel can become familiar with the new systems or technology on its way.

The layout of the Vehicle Technical Diagnosis is similar to an SIB. It includes:

- Title Block
- Introduction
- System Functions
- Operation

VS-42 es	Baugruppe/Group: 51 51 01 05 (122)	weltweit	Datum/Date: 01/2005 Update: 05/2005
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Interior mirror with digital compass

E90, E91



Introduction

A digital compass in the interior mirror is available as special equipment (option 4NA) for the BMW 3-Series.

A small LCD display on the top right of the interior mirror shows the direction of travel: e.g. **SW** for South West.

In the USA in particular, the compass provides additional benefits. In large cities the streets are frequently arranged according to the points of the compass. The points of the compass are also marked on signposts.

The compass also makes orientation in European cities easier.

[\[system overview ...\]](#)

Note: Option 4NA only in conjunction with option 430 or 431.

Option 4NA "Interior mirror with digital compass" is offered only in conjunction with the

Parts Bulletins

The target audience of the Parts Bulletin System are Parts Managers and their employees, however the information can be useful as reference to a Technician. The Parts Bulletins contain information concerning:

- Parts Ordering
- Parts Updates
- Vehicle Accessory Introductions
- Policies
- Warranty Information
- Parts Recalls and Campaigns

The layout is similar to that of the Service Information Bulletin. The Parts Bulletins are also arranged by the BMW Main Group numbering system. There are a few differences in groups 00 through 10, 80, 81 and 82. These groups are specific to issues concerning the Parts Department.

Technical Data (TED)

Technical data consists of specifications for systems and components.

Obtaining proper technical data is usually aided by accessing the technical data via a hotbox under repair instructions.

Tightening Torque (AZD)

Tightening torques can be obtained from the repair instructions main menu page. Obtaining proper technical data is usually aided by accessing the technical data via a hotbox under repair instructions.

Special Tools Catalog

Special tools are identified in the repair manual where their use is appropriate or required, however they may also be found in the special tools catalog on the TIS main screen.

As new tools are introduced they are published in Service Information Bulletins group 04. Later the tools can be found in the Special Tool Catalog in TIS or in the repair instructions.

Labor Times (KSD)

The KSD program is used to determine labor times allowed for repairs. The most current version of the KSD and the applicable Service Information Bulletins (S.I.B.) are the only accepted sources of flat rate operations and times for warranty claims.

Reason for Policy

- To provide a unit of measure and a source for the determination of equitable repair times.
- To provide flat rate operation numbers to identify specific repairs.

Procedures

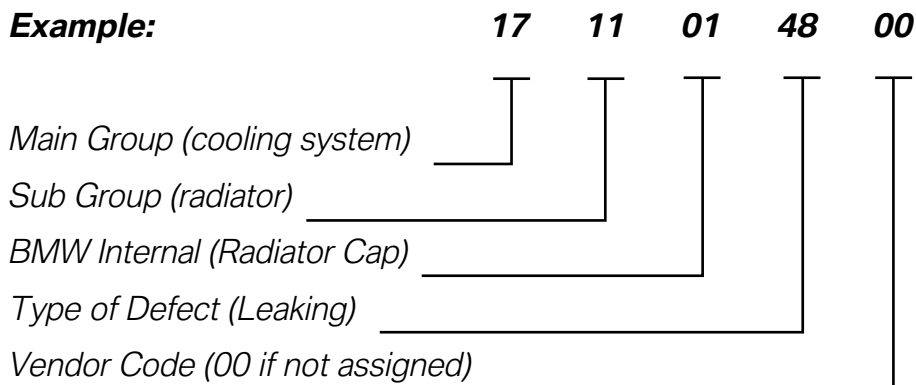
1. The BMW Flat Rate System is based upon flat rate units. Each flat rate unit is the equivalent of 7.5 minutes. The labor times for all warranty claims must be recorded in flat rate units. Effective with repairs performed on and after January 1, 2002, BMW NA will pay all labor based on an 8 FRU hour, which is providing an additional 25% increase in payment for published labor operations and work time/diagnostic time. Please refer to Service Information bulletin 01 03 01 for detailed information regarding this issue.
2. The BMW Flat Rate System is divided into numerical sections (groups) which generally correspond to the main component groups of the vehicle as identified in the service bulletins and KSD software supplied by BMW NA.
3. Main labor operations (as defined) are complete in themselves. All main labor operation numbers will end with 000 to 499 as the last three digits of the operation. A main operation includes all repair procedures to complete the task and an allowance for necessary ancillary tasks (e.g., visual inspection, lubrication with grease or oil, cleaning parts and assemblies). Refer to workshop manuals and service information bulletins for current and complete descriptions of work procedures. If you have two main labor operation numbers for a repair, overlapping labor times may exist and should be corrected before warranty claim submission. If doubt still exists after researching a labor operation number call the Warranty Department. The flat rate operations selected must be applicable to the model repaired.
4. Associated labor operations are used in conjunction with a main labor operation number. Associated labor operations consider work that has already begun and thus removes overlapping time that otherwise would occur should multiple main labor operations be combined. Associated labor operation numbers range from 500 to 999 for the last three digits of the operation number. Care should be used to select the correct associated labor operation based on the actual repair performed considering any overlapping labor times. In many of the repair groups there are multiple operations available for different repair combinations. Do not rely on memory; research the correct labor operation for the repair circumstances. If you are unsure after researching the labor operation, call the Warranty Department.

5. A plus (+) operation or plus code is a type of associated labor operation that must be applied in conjunction with performing multiple main labor repairs. One main labor operation should be used and any other main work performed should be coded with plus code operations. This removes the overlapping administrative time that otherwise would occur when utilizing multiple main labor operations. If a main operation is used during the vehicle visit for any type of repair charged to BMW NA and a plus (+) operation is available for any additional repairs, the plus (+) operation must be used.
6. The published time for all labor operation numbers cannot be changed during claim entry. The computer will pay the published flat rate value regardless of BMW center input. To claim less time because of recognized overlaps, use one of the special flat rate operation numbers for work time reimbursement (WPPM-5).
7. After researching the labor operation, if you believe the appropriate labor operation is missing or the time allowance is insufficient, report the situation to the Warranty Department. Complete a Flat Rate Survey Sheet or use your BMW center letterhead to describe the details of the situation. Be sure to include all of the applicable information (e.g., VIN for missing labor operations, labor operation number for discrepancies). Then fax this information to the Warranty Department.

Note: To ensure that only one main labor operation appears on any claim or group of claims from the same repair order, all open time/diagnostic time is to be considered as the main labor operation. All other operations on the same line or other lines of the repair order should be plus code operations if available (last three digits of the flat rate being 500 or higher).

Defect Code Number

Defect codes are necessary to specifically identify defects and provide quality control feedback. The KSD defect code catalog supplies this information in an easy to reference format that promotes accuracy and efficiency.



Dealer Communication System (DCS) Message

A DCS Message is generated by BMW if important information has to be release to the technicians or centers. This is the fastest method of communication for BMW.

Message Date	9/30/2005
Message Submitted	9/30/2005 9:17:54 AM
Subject	E90 Personal Profile
Author First Name	Technical Service
Author Last Name	

Message

To:
BMW Service Managers
BMW Shop Foremen

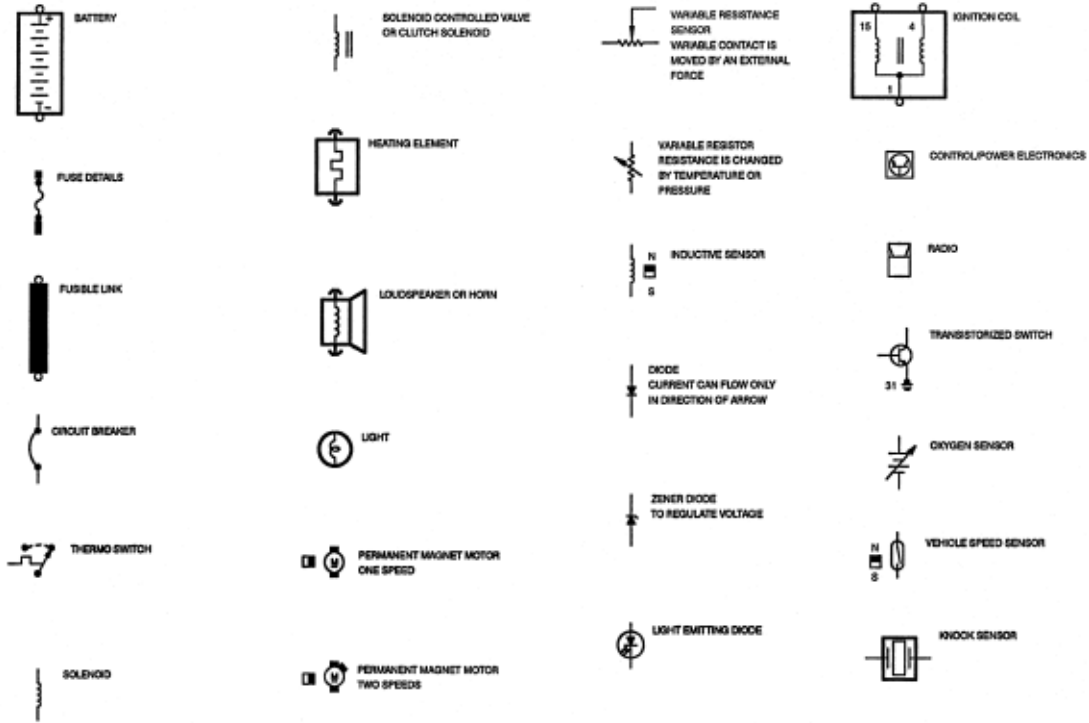
Subject: E90 Personal Profile

On E90 vehicles produced 9/2005 and later, it is no longer necessary to set Personal Profile features using "Retrofits". All Personal Profile functions can now be set on the vehicle using either the CID or Instrument Cluster. Refer to the Owner's Manual for complete details.

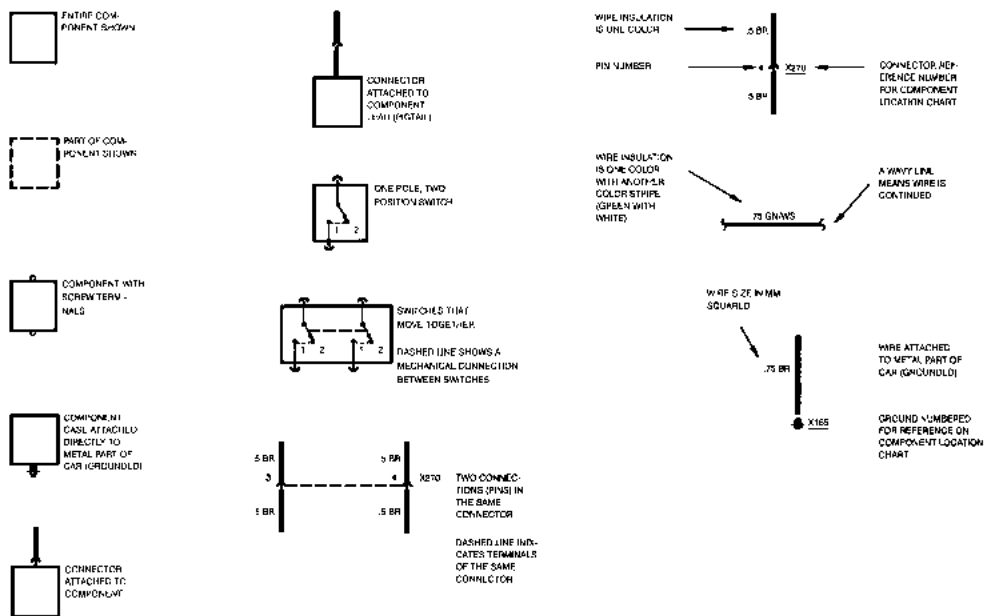
Note: On vehicles produced before 9/2005, it is not possible to activate this funtionality by programming or parts replacement.

Circuit Symbols

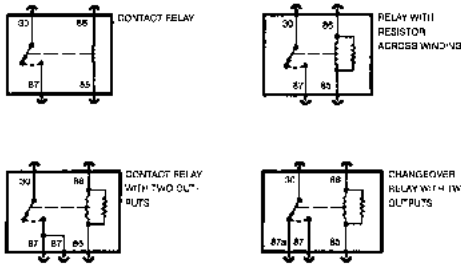
In order to work effectively with the ETM, the technician has to understand the meaning of the symbols used to represent electrical components and connections. In the introduction pages of printed ETMs there is a list of symbols that are used.



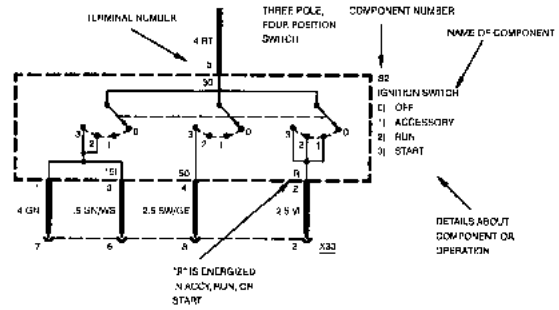
ETM Symbols



ETM Symbols (cont.)



TERMINAL NUMBER	DESCRIPTION
30	RELAY INPUT
85	RELAY OUTPUT (WINDING)
86	RELAY INPUT (WINDING)
87	RELAY OUTPUT (ENERGIZED)
87a	RELAY OUTPUT (AT REST)



TERMINAL NUMBER	DESCRIPTION	TERMINAL NUMBER	DESCRIPTION
50	VOLTAGE: IGNITION SWITCH IN START	15I	VOLTAGE: IGNITION SWITCH IN RUN
30	VOLTAGE: SUPPLIED AT ALL TIMES	R	VOLTAGE: IGNITION SWITCH IN ACCESSORY, RUN OR START
15	VOLTAGE: IGNITION SWITCH IN RUN OR START	31	GROUND

HOT AT ALL TIMES



INDICATES THAT FUSE IS SUPPLIED WITH POWER AT ALL TIMES

POWER STATUS

HOT AT ALL TIMES

HOT IN RUN AND START

HOT IN ACCY, RUN AND START

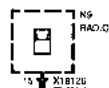
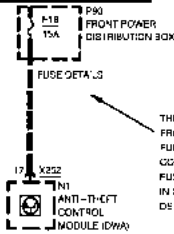
DESCRIPTION

VOLTAGE SUPPLIED AT ALL TIMES

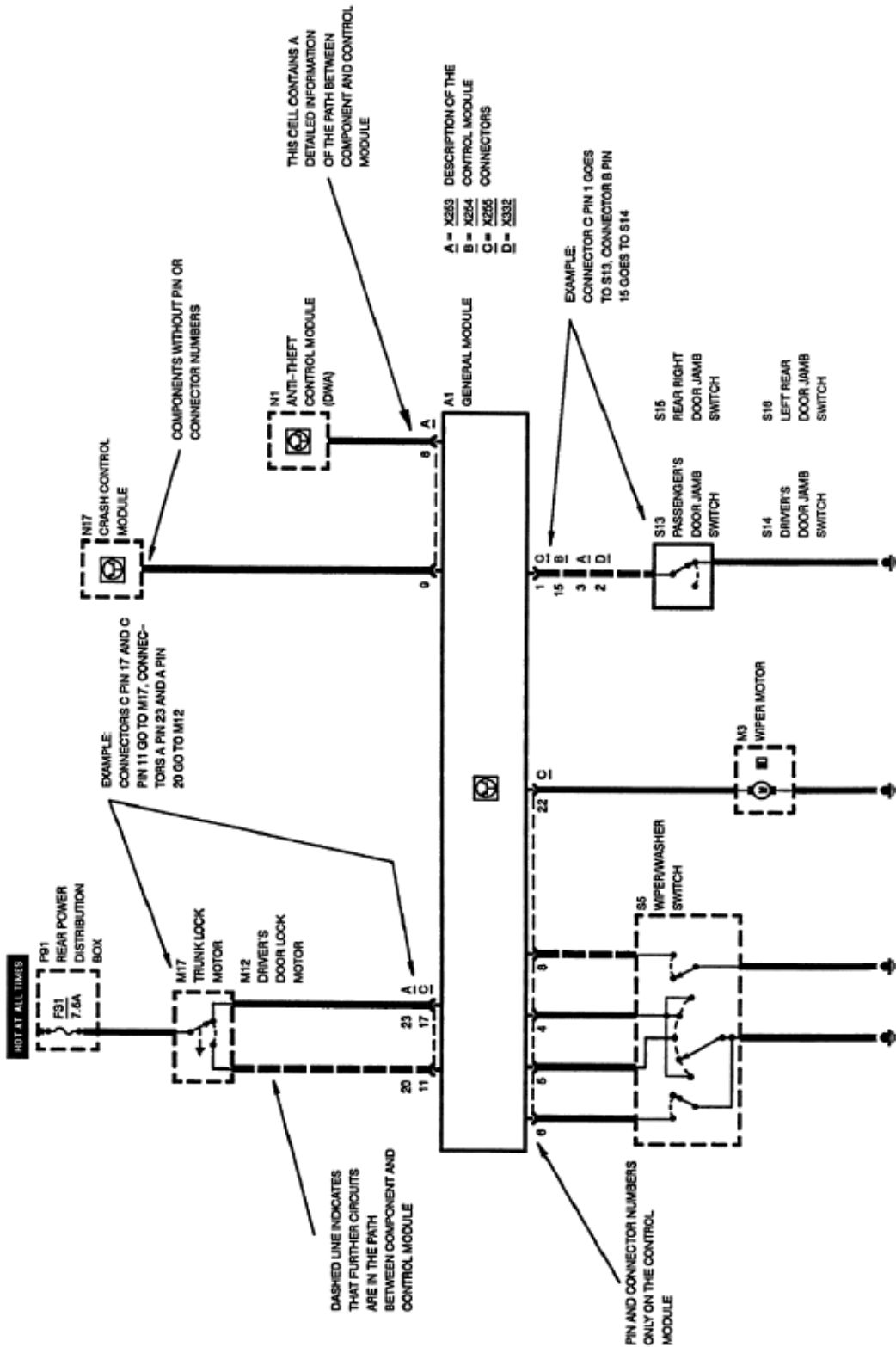
VOLTAGE: IGNITION SWITCH IN RUN OR START

VOLTAGE: IGNITION SWITCH IN ACCESSORY, RUN OR START

HOT IN ACCY, RUN AND START



ETM Symbols (cont.)



Wire Colors with Abbreviations

Abbreviation	English	<i>German</i>
TR	Transparent	<i>Transparent</i>
WS	White	<i>Weiß</i>
VI	Purple	<i>Violett</i>
BL	Blue	<i>Blau</i>
BR	Brown	<i>Braun</i>
GE	Yellow	<i>Gelb</i>
GR	Gray	<i>Grau</i>
GN	Green	<i>Grün</i>
OR	Orange	<i>Orange</i>
RS	Pink	<i>Rosa</i>
RT	Red	<i>Rot</i>
SW	Black	<i>Schwarz</i>

Schematics

The schematics divide the vehicle electrical system into individual circuits. Components which interact with that circuit are shown on the same schematic.

In order to provide a standard for the way in which an ETM is written and read, there are general rules that apply. Components are drawn in such a way that their general layout and function are self-explanatory. They are arranged on the page so that the current path can be followed from positive (top) to negative (bottom).

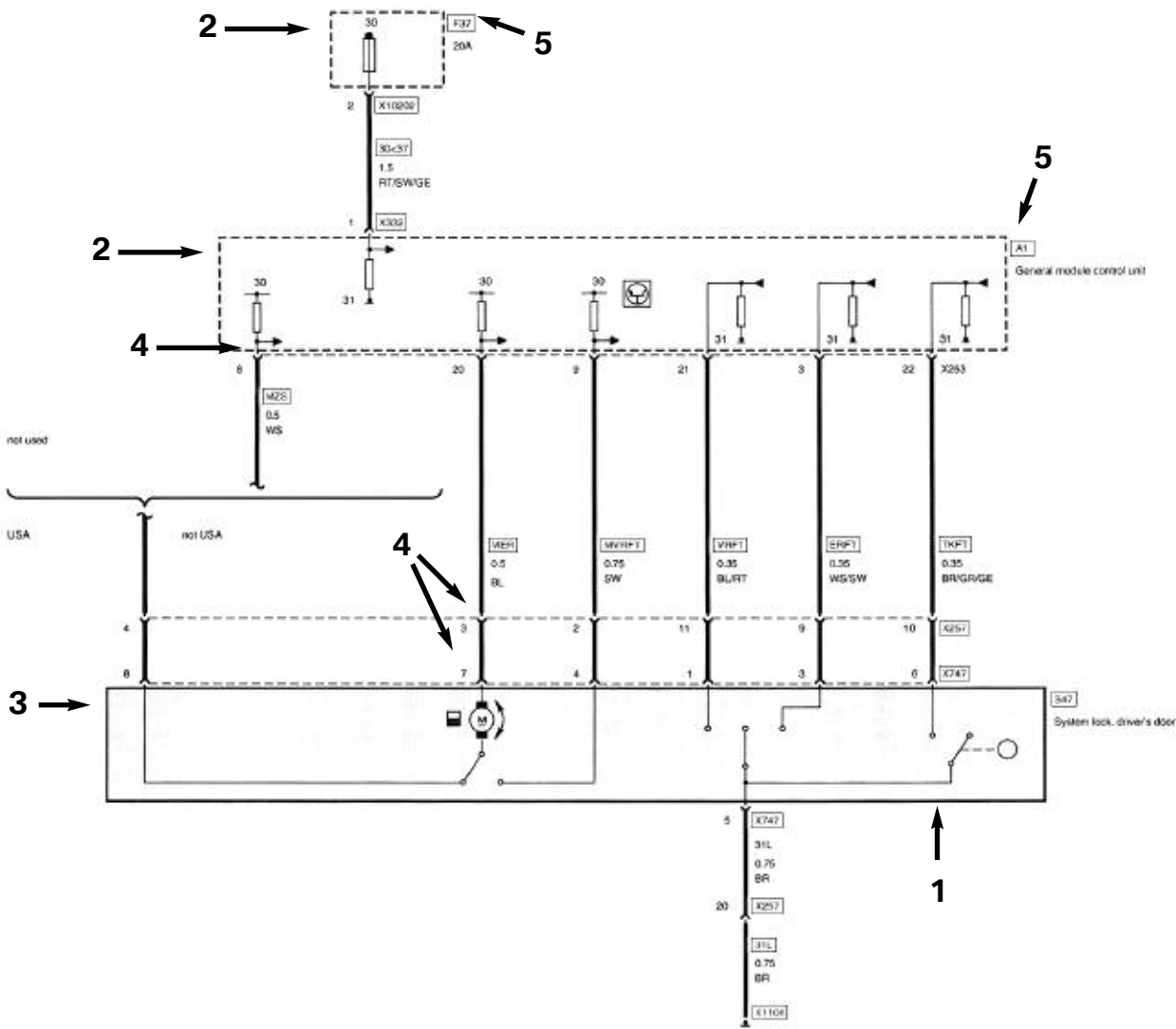
General Guidelines

(ETM rules): The schematic below will be used as an example.

1. Switches and relays are always shown in their rest position.
2. A component drawn in a dotted line indicates that only part of the component is shown.
3. A component drawn as a solid line indicates that all of that component is shown.
4. The dotted line between:
 - pins 3, 8, 9, 20, 21, and 22 of connector X253
 - pins 2, 3, 4, 9, 11, and 10 of connector X257
 - pins 1, 3, 4, 6, 7, and 8 of connector X747indicate all the pins belong to that connector.
5. To obtain more information on a component or signal select any hotbox and press the documents button on the lower navigation bar of the diagnosis software.

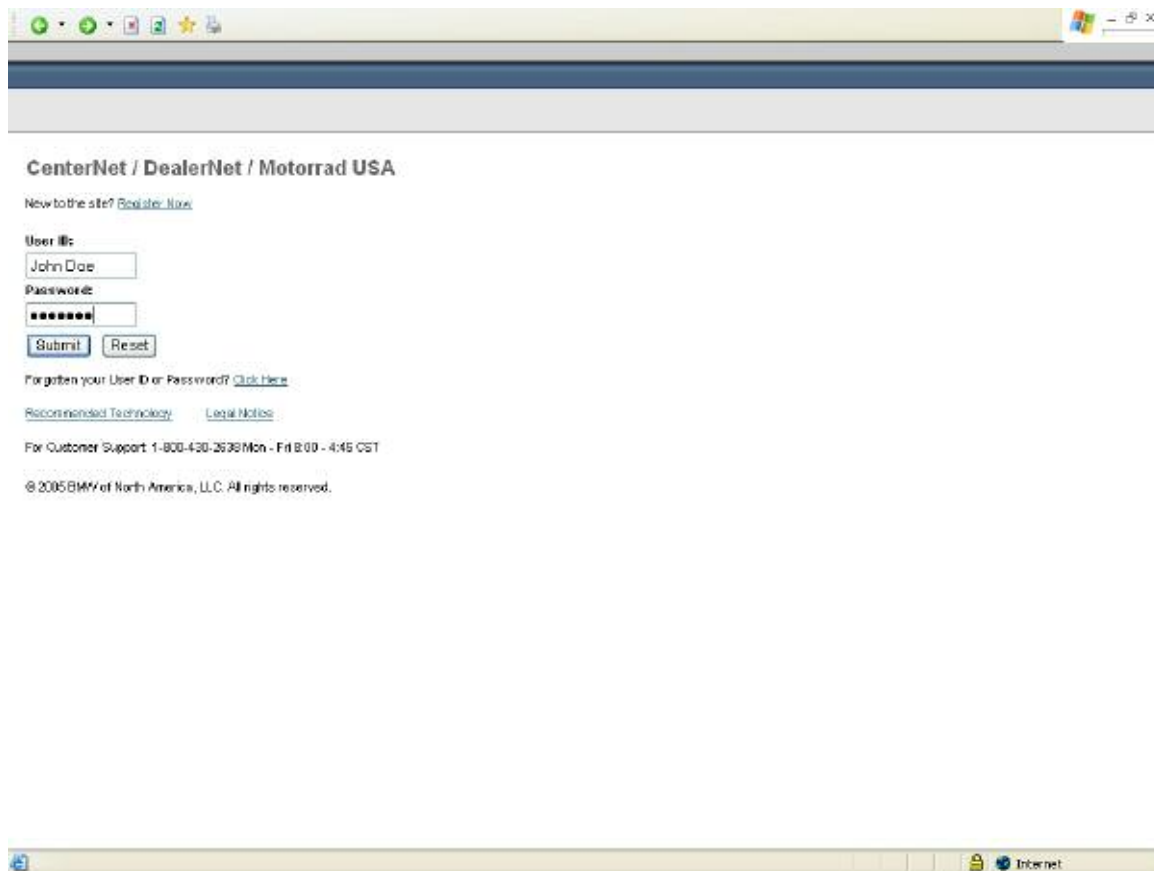
Notes:

ETM of Front Driver's Door Lock Actuator Circuit



Accessing BMW TIS

To access technical information for BMW vehicles, you must first log on to www.bmwdealernet.com using your web browser.

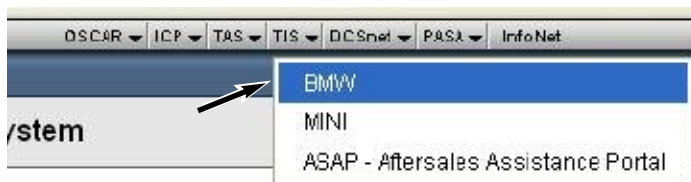
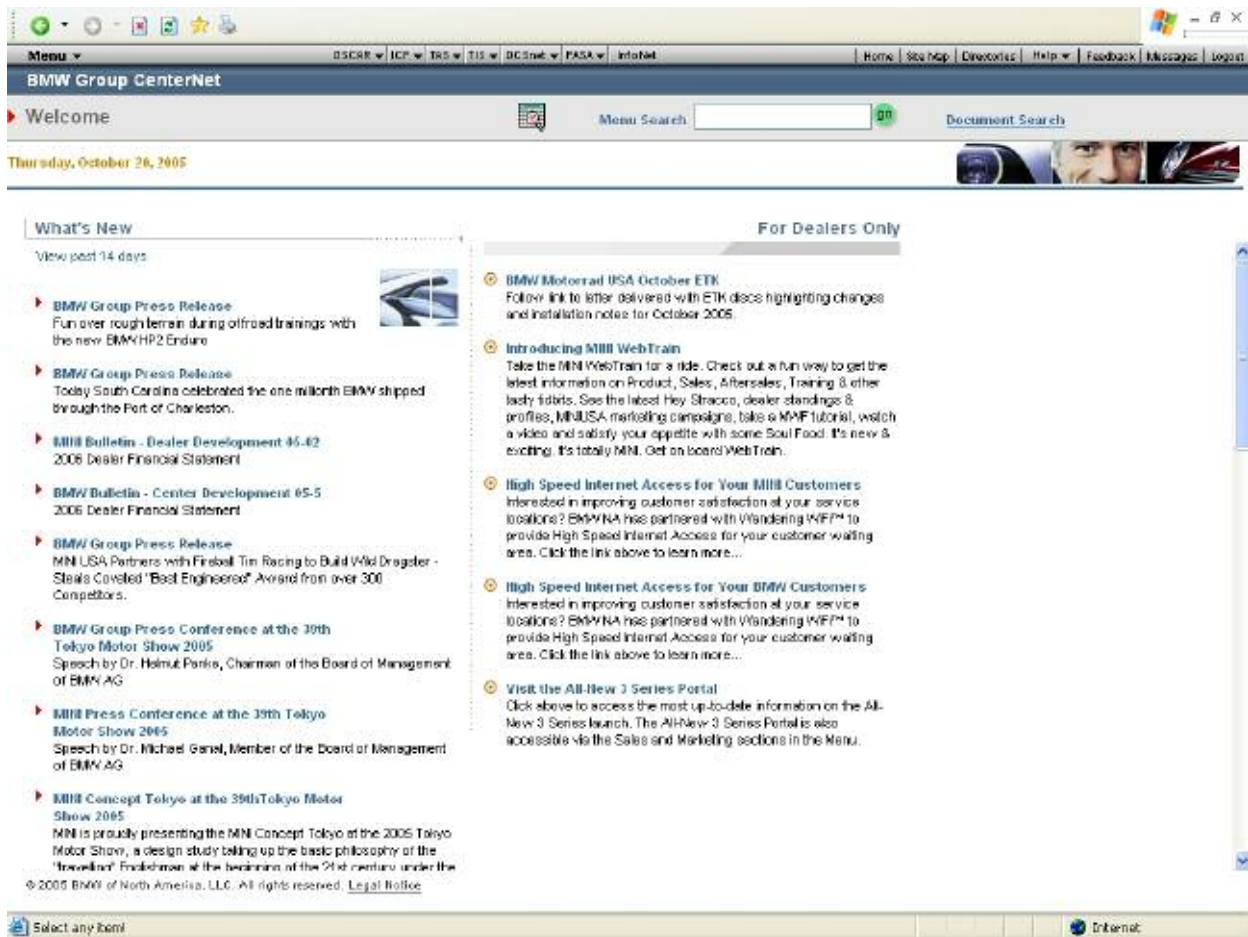


Access to the BMW DealerNet website will be granted when a valid employee is entered in the dealer system by the center/field service engineer.

BMW Group Dealernet

The screen that comes up next is the BMW Group Dealernet. This is the website dedicated to information pertaining to center operations.

Information on every aspect of the center is displayed here, from sales/marketing bulletins to new information on products available.



To Access BMW TIS, select **TIS** from the top menu bar and then select **BMW** from the “drop down” menu.

Personal Notification System Messages

The first window that comes up once selecting TIS => BMW is the Personal Notification System Messages pop-up.

On this window, you will find information on the latest DCS messages (last 5 days), bulletins (last 30 days), and service measures (last 30 days) that you have not yet accessed.

Example: *If you read the DCS messages on the Personal Notification System Messages window, the next time you log on, the message will no longer be displayed on this window. If a new messages are generated, those will be displayed.)*

The information in this window is refreshed every 1.5 hours less. This enables the technician to receive the most up to date information.

To continue access to TIS, **minimize** the Personal Notification window. (A security alert might be displayed depending on browser security settings).

The screenshot shows a web browser window with the URL <http://www.bmw-tis.net/?UNStype=dc>. The page title is "Personal Notification System Messages". Below the title, there is a message: "Please leave this window open to ensure that you are notified if new information becomes available while you are online. Checks occur automatically approximately every 1.5 hours:". There are two buttons: "Check Now" and "Return to Previous Page". Below this, there are two tabs: "DCS" (selected) and "Bulletins". A text block states: "The following table lists all Dealer Communication Messages that are less than 5 days old. Please click on a table entry to display the corresponding message in the frame below." Below this is a table titled "DCS Messages".

Date	Subject
4/13/2010	A/C Service Unit Update
4/13/2010	Universal Hydraulic Jack Update
4/14/2010	RAD2+ Fails Programming (Update 4)

Note: This screen should be minimized and not closed in order to allow the latest information to be displayed as soon as it is available.

TIS Home Page


The TIS home page includes the following major links to information on the site:

- What's New
- Service Information
- Operating Fluids
- Technical Training
- Part Information
- Repair Information
- Special Tools
- ETM Information
- BMW Hunter
- Model Map
- OBD
- ASAP
- DCS
- Material Ordering

Menu | My CenterNet | Site Map | Help | Messages | Feedback | Logout

Home | Foresight | ICP | TIS | DCSnet | DEMS | Directories

TIS | Menu Search | Search

 **BMW of North America, LLC**

What's New
• Information added within the last 30 days

Service Information
• Service Bulletins
• SW Versions Chart

Operating Fluids
• Operating Fluids

Technical Training
• Training Manuals

Parts Information
• Bulletins

Repair Information
• Manuals prior to E36

Special Tools
• Special Tools Database

ETM Information
• Wiring Diagrams to E36

BMW Hunter
• KDS Alignment Data Instructions
• KDS Alignment (48MB executable)

Model Map
• Model Map

OBD
• Mode \$06 Interface data
• OBD II Overview and Drive Cycle
• OBD II Systems

ASAP
• WebEPC

DCS
• Dealer Communication System

Materials Ordering
• Order Form

[Contact Webmaster](#)

What's New

Entering **What's New** will reveal new information added to database in the last 30 days. Information includes:

- Service Bulletins
- Parts Bulletins
- Training Manual Updates
- Repair Manual Updates
- Operating Fluids Manual



Detailed information is available by selecting the appropriate Bulletin or Update.

To select the desired bulletin select the blue underlined hyperlink.

Menu My CenterNet Site Map Help Messages Feedback Logout
 Foresight ICP TIS DCMS Directories
 TIS Menu Search [Search]

What's New Search Results

30 days

Go to: [v] New Service Bulletin Information

Model Map

Contact Webmaster

Service Bulletins				
Bulletin Number	Type	Date	Subject	Series
00_04_10	SI	March 2010	2011 New Vehicle Preparation and Maintenance Requirements	E72, E71, E70
01_03_07	SI	March 2010	Optional BMW Maint. Program Upgrade: Pricing Plan, Program Details & Updates	All
04_11_10	SI	March 2010	Universal Hydraulic Jack - Important Information	All
04_10_10	SI	March 2010	Strut Mount Tool	F02, F01
04_08_10	SI	March 2010	V-Test Cable	E82, F07, E88, E92, E90, E93, F10
04_01_10	SI	March 2010	Punch Riveting Tool	F02, F04, F07, F25, F01, F10
04_21_05	SI	March 2010	Test Cable Storage Cabinets	All
05_03_10	SI	March 2010	Service Roundtable - March 2010	All
07_01_10	SI	April 2010	ISTA PC Client	All
11_01_10	SI	April 2010	BMW ALPINA B7 Engine Oil Filter	E65
12_06_10	SI	April 2010	N54 - Misfire Faults, Diagnosis with ISTA D	E82, E88, E60, E92, E90, E93, E61
12_02_10	SI	March 2010	N51 or N52K Important Information when Programming the DME	All
12_17_09	SI	March 2010	Water Is Leaking into the Electronics Box	E72, E71, E70
12_07_09	SI	March 2010	N51/N52K - Service Engine Soon Lamp Is On with Fault Code 2A3B Stored	E82, E88, E60, E83, E91, E92, E89, E70, E90, E
			Tools/Planes (Enhanced Technical Support for	

Service Information

There are two sub-sections under Service Information. They are:

- Service Bulletins
- Software (SW) Versions Chart



The screenshot shows the BMW of North America, LLC website interface. At the top, there is a navigation bar with links for Menu, My CenterNet, Site Map, Help, Messages, Feedback, and Logout. Below this is a secondary navigation bar with links for Foresight, ICP, TIS, DCSnet, DEMS, and Directories. A search bar is located on the right side of the navigation bar. The main content area features the BMW logo and the heading "BMW of North America, LLC". The "Service Information" section is highlighted with a white background and contains the following sub-sections:

- What's New**
 - Information added within the last 30 days
- Service Information**
 - Service Bulletins
 - SW Versions Chart
- Operating Fluids**
 - Operating Fluids
- Technical Training**
 - Training Manuals
- Parts Information**
 - Bulletins
- Repair Information**
 - Manuals prior to E36
- Special Tools**
 - Special Tools Database
- ETM Information**
 - Wiring Diagrams to E36
- BMW Hunter**
 - KDS Alignment Data Instructions
 - KDS Alignment (48MB executable)
- Model Map**
 - Model Map
- OBD**
 - Mode \$06 Interface data
 - OBD II Overview and Drive Cycle
 - OBD II Systems
- ASAP**
 - WebEPC
- DCS**
 - Dealer Communication System
- Materials Ordering**
 - Order Form

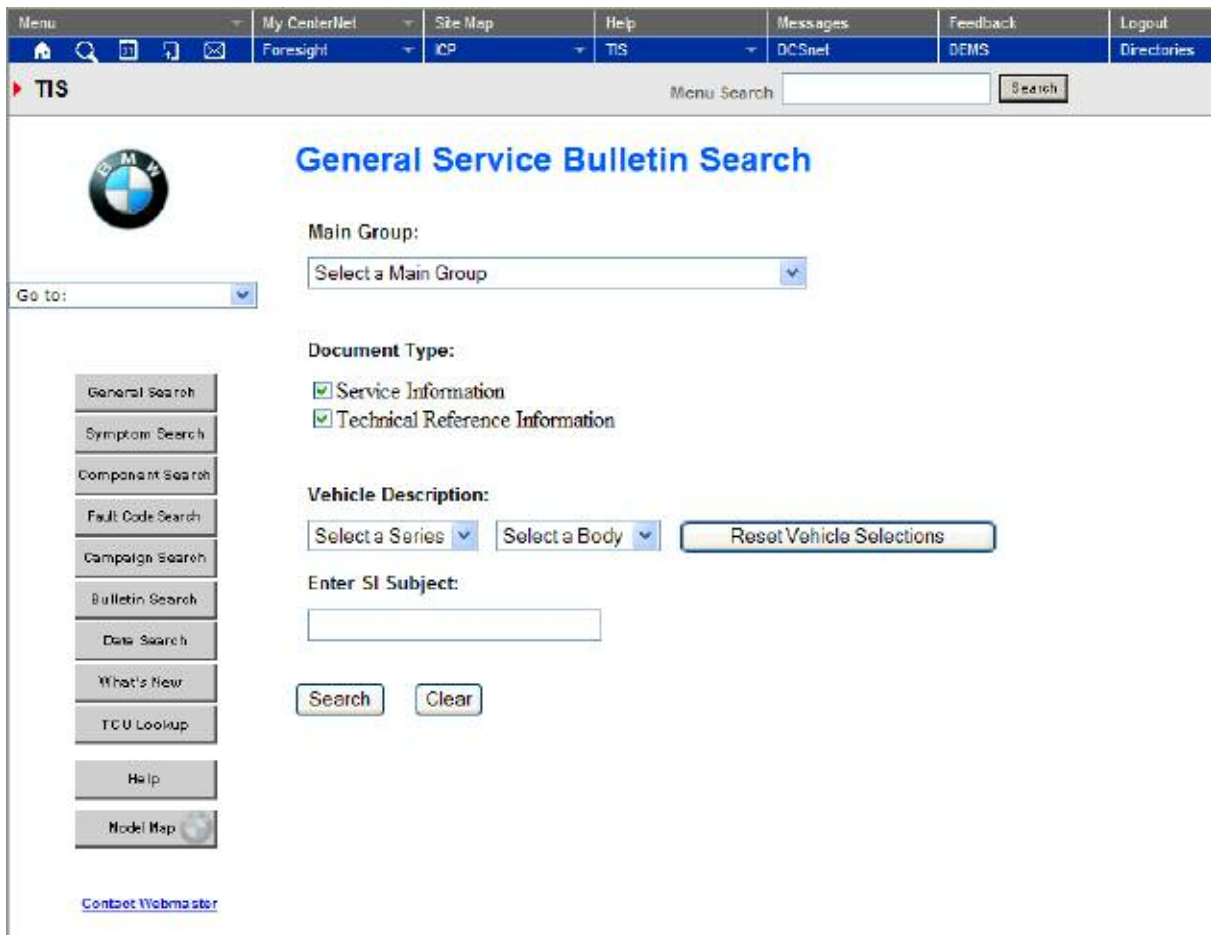
A link for "Contact Webmaster" is located at the bottom left of the page.

Service Bulletins

Entering Service Information and Bulletins, allow searching and selection of Service Bulletins.

Service Bulletins are searchable by:

- General Search
- Symptom Search
- Component Search
- Fault Code Search
- Campaign Search
- Bulletin Search
- Date Search
- What's New



■ General Search

Used for looking up bulletins by group number and vehicle designation.

Entering information on all fields is not required and might even reduce the number of search results.

Entering a minimal information in the fields increases the number of search results.

■ Symptom Search

The Model, Series and Body may be entered,, then under “Observed Symptom”, Select a condition, Condition Type and Condition Component.

It is however **NOT** Required to enter the Model, Series or Body.

By entering only general information, such as selecting only a condition, a greater number of responses are returned.

■ Component Search

This feature allows for the search of a bulletin, measure, or technical information bulletin based on components.

■ Fault Code Search

A bulletin search can also be performed by entering the fault code retrieved from a module during a fault interrogation.

Searches of partial fault code number are possible.

■ Campaign Search

A bulletin can be searched for by entering the defect code.

This can be helpful if the vehicle has a campaign label on the b-pillar or if the DCS message says to perform a defect code campaign instead of giving the bulletin number.

■ Bulletin Search

If the exact number of the bulletin searched for is known, enter the information for the fields displayed.

Searches by partial SIB number are not possible.



■ **Date Search**

Date Search allows the search of bulletins and measures by a specific date range. All groups or individual groups may be searched.

■ **What's New Search**

This searches for Bulletins and Measures added in the last:

- 3 days
- 7 days
- 14 days
- 30 days

■ **Help**

If any help is needed for searching for a bulletin, this option gives a brief explanation on how to use the bulletins and measures search feature of WebTIS.

■ **Model Map**

Allows the technician to find information on vehicle series, engine, and model year.

The model map is based on digits 4-7 of the VIN. These numbers determine the breaks in major changes during production.

SW Version

This feature allows the user to obtain information on the latest software versions available for the workshop diagnostic and programming equipment (ISTA, ISTA/P, ISIS).

For information on current software, refer to:

CenterNet / Aftersales Portal / Service /Workshop Technology /Tools Administration
Installation & Maintenance /3g/ISPI Software Verification Matrix.

Operating Fluids

This feature allows the technician to find the proper operating fluids used in BMW vehicle by group number.



Menu | My CenterNet | Site Map | Help | Messages | Feedback | Logout
 ForeSight | ICP | TIS | DCSnet | DEMS | Directories

TIS Menu Search

Operating Fluids Information

Click on Manual Name to View

Go to:

[Contact Webmaster](#)

Group Name	Manual Name	Group Name	Manual Name
Group 00	Maintenance and General Information	Group 32	Steering
Group 11	Engine	Group 33	Rear Axle
Group 13	Fuel System	Group 34	Brakes
Group 16	Fuel Supply Systems	Group 35	Pedals
Group 17	Radiator	Group 36	Wheels and Tires
Group 18	Exhaust System	Group 37	Integrated Suspension Systems
Group 21	Clutch	Group 41	Body
Group 23	Manual Transmission	Group 51	Body Equipment
Group 24	Automatic Transmission	Group 52	Seats
Group 25	Gear Shift Mechanism	Group 54	Sunroof and Convertible Top
Group 26	Drive Shaft	Group 61	Electrical System
Group 27	Transfer Case	Group 64	Air Conditioning and Heating
Group 28	Dual-Clutch Transmission	Group 97	Body Cavity Sealing and Undercoating
Group 31	Front Axle	Group 99	Car Care Products

Technical Training

Allows access to technical training manuals online in portable document format (PDF).

This can be extremely helpful for the workshop environment, but also allows a technician access to the training material before actually attending a class.



Technical Training Information

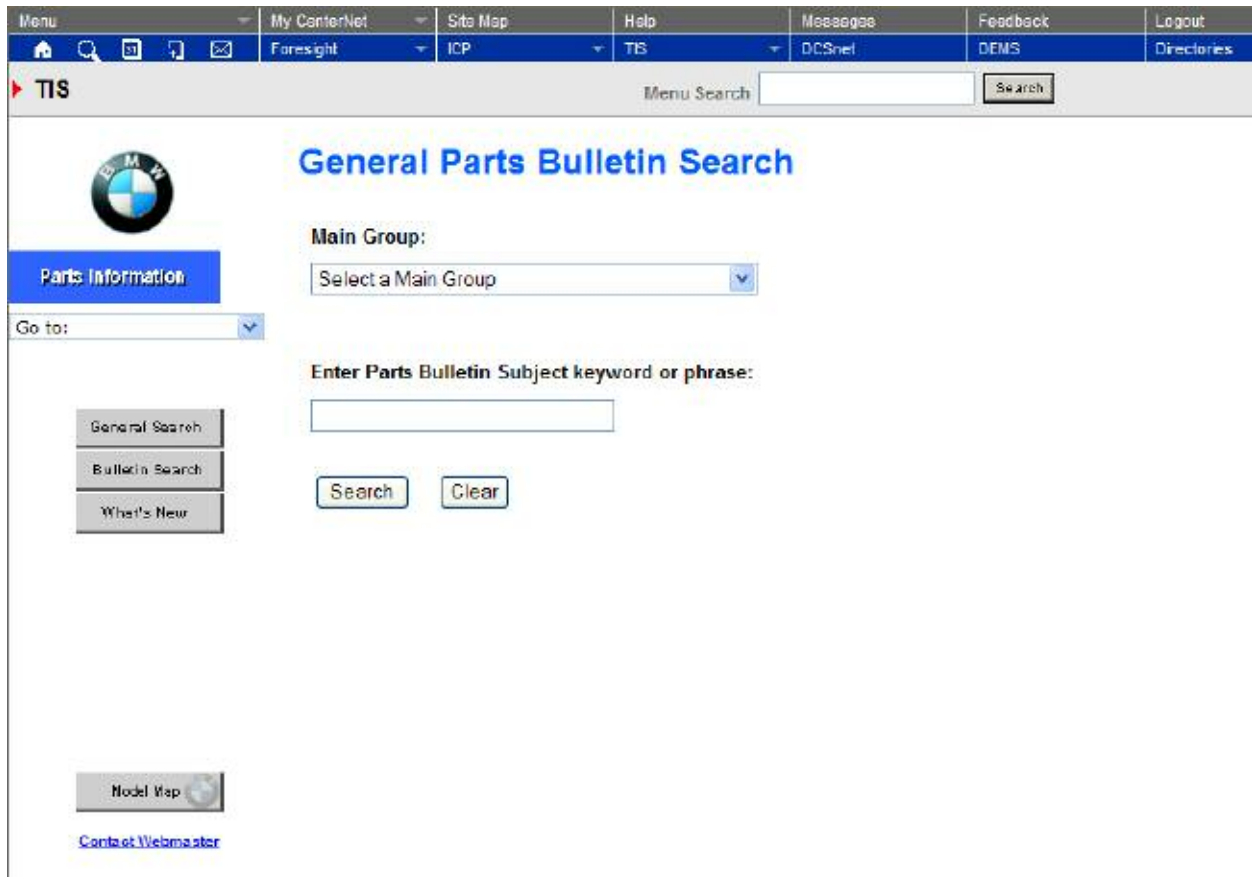
Click on Course Number to View

Number	Course Name	Number	Course Name
ST034	E46 Complete Vehicle	ST501	Undercar Technology
ST035	1999 System Diagnosis	ST504	Chassis Dynamics
ST036	X5 Complete Vehicle	ST505	E60 M5 Complete Vehicle
ST037	M5 Complete Vehicle	ST505a	04N5 Production Changes
ST038	Z8 Complete Vehicle	ST601	E85 LCI and M Roadstar
ST039	2000 System Diagnosis	ST602	BMW ALPINA B7
ST040	2001 System Diagnosis	ST603	Introduction to Diesel Technology Workbook
ST041	M3 Complete Vehicle	ST605	E70 Complete Vehicle
ST042	E66 Complete Vehicle (Part 1)	ST605a	E70 Complete Vehicle Workbook
ST042	E66 Complete Vehicle (Part 2)	ST605b	E63 M6 Complete Vehicle
ST043	2002 System Diagnosis	ST607	BMW Night Vision
ST045	Z4 Complete Vehicle	ST608	xDrive Dynamics
ST045	E60 Complete Vehicle	ST609	Motorsport Technology Workbook
ST046a	E61 Sports Wagon	ST613	2007 N68 Engines
ST047	2003 System Diagnosis	ST614	E83 Life Cycle Impulse
ST048	E83 Complete Vehicle	ST615	E82 Complete Vehicle
ST049	2004 System Diagnosis	ST615a	2007 Product Updates Workbook
ST050	Technical Systems	ST701	E93 Complete Vehicle
ST051	Body Electronics I	ST701a	E93 Complete Vehicle Workbook
ST052	Body Electronics II (Archive 1)	ST703	March 2007 Updates
ST054	Climate Control	ST705	High Beam Assistant
ST054	Climate Control Workbook	ST707	E82/E88 Complete Vehicle
ST054	Climate Control (Archive 1)	ST709	4th Generation M3 Complete Vehicle
ST055	Engine Electronics	ST710	E71 Complete Vehicle Workbook
ST055	Engine Electronics (Archive 1)	ST711	E63/E64 Life Cycle Impulse
ST056	Chassis Dynamics (Archive 1)	ST712	Crash Sensitive Head Restraints
ST057	Electronic Transmissions	ST810	Advanced Diesel Technology Workbook
ST057	Electronic Transmissions Workbook	ST811	F01 Complete Vehicle
ST058	E63/E64 Complete Vehicle	ST811a	F01 Complete Vehicle Workbook
ST401	Body Electronics II	ST813	M DCT Onologic
ST401a	Bus System Overview - All Models	ST815	Car Information Computer
ST402	Body Electronics III	ST901	E89 Complete Vehicle
ST402	Body Electronics III (Archive 1)	ST902	E70/E71 M Complete Vehicle
ST403	Passive Safety Systems	ST914	F07 Complete Vehicle
ST406	Coding & Programming	ST915	N74 Engine
ST501	New Engine Technology	ST915a	N55 Engine
ST502	E90 Complete Vehicle	ST930	BMW ActiveHybrid Technology Workbook
ST926	E91 Sports Wagon	ST1001	2011 MY Updates
FORM	Form Name		
FORM	Training Handout Order		Help viewing PDFs

Parts Information

Allows access to parts information bulletins via:

- General Search
- Bulletin Search
- What's New



Repair Information

Allows access to:

- Repair Instructions
- SBT
- Tightening Torques
- Technical Specifications

The latest repair information, technical specifications, and wiring diagrams are available using ISTA on your workshop ISID or by using the ISTA PC Client.



Special Tools

Allows access to special tool information based on:

- Part Number
- Description
- Vehicle Model
- Main Group Number
- All models



Note: Usually the most reliable and direct method of knowing what special tools are needed should be obtained from the repair instructions.



ETM Information

Allows access to the web based electric trouble shooting diagrams up to the E36.

The diagrams for the BMW vehicles is divided in two. The division was made with the introduction of the E38 7 Series in 1995.

Wiring diagrams before the E38 are displayed online as scanned images of the paper version ETM. The diagrams from E38 are available using ISTA on your workshop ISID or by using the ISTA PC Client. For more information on installation of the ISTA PC Client, please visit the Workshop Technology Portal in CenterNet.

Included in some of the wiring diagram menus is a functional description of the system.



The screenshot shows the BMW of North America, LLC website interface. At the top, there is a navigation bar with links for Menu, My CenterNet, Site Map, Help, Messages, Feedback, and Logout. Below this is a secondary navigation bar with links for Forelight, ICP, TIS, DCSnet, DEMS, and Directorate. The main content area features the BMW logo and the heading "BMW of North America, LLC". A grid of menu items is displayed, with "ETM Information" highlighted in a white box. The menu items include:

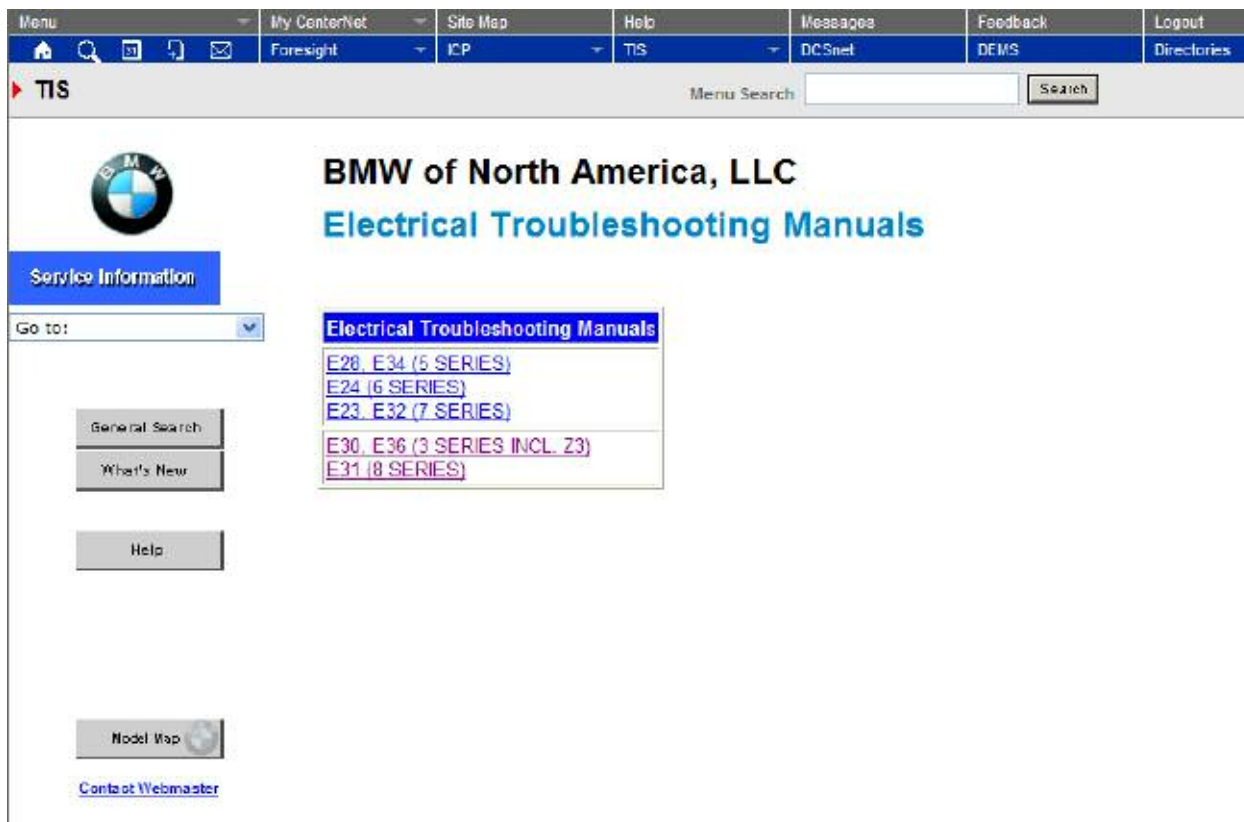
- What's New**
 - Information added within the last 30 days
- Service Information**
 - Service Bulletins
 - SW Versions Chart
- Operating Fluids**
 - Operating Fluids
- Technical Training**
 - Training Manuals
- Parts Information**
 - Bulletins
- Repair Information**
 - Manuals prior to E36
- Special Tools**
 - Special Tools Database
- ETM Information**
 - Wiring Diagrams to E36
- BMW Hunter**
 - KDS Alignment Data Instructions
 - KDS Alignment (48MB executable)
- Model Map**
 - Model Map
- OBD**
 - Mode \$06 Interface data
 - OBD II Overview and Drive Cycle
 - OBD II Systems
- ASAP**
 - WebEPC
- DCS**
 - Dealer Communication System
- Materials Ordering**
 - Order Form

A "Menu Search" field with a "Search" button is located at the top right of the main content area. A "Contact Webmaster" link is visible at the bottom left of the page.

ETM Before E38

Allows access to ETMs of the following BMW vehicles:

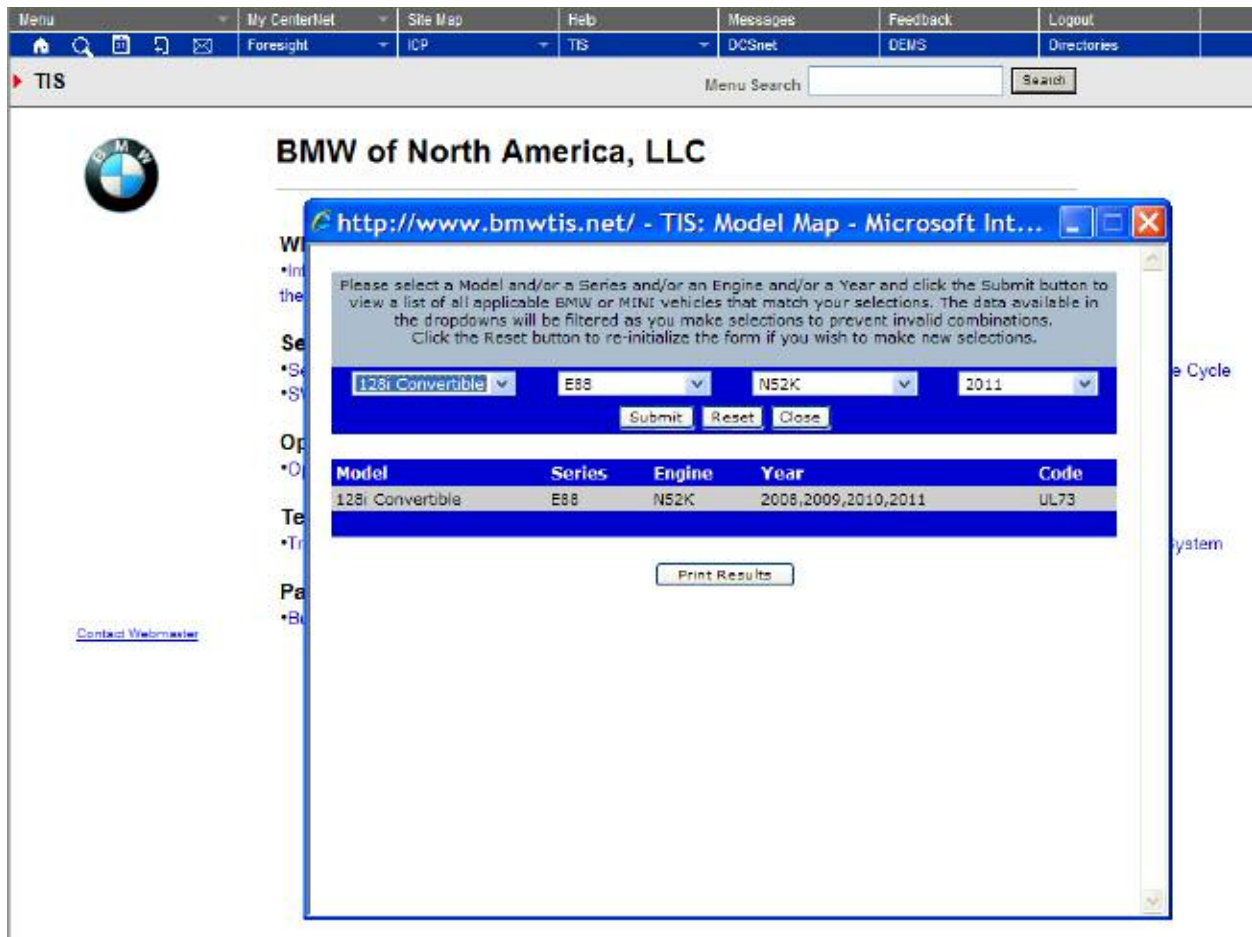
- E24
- E23
- E28
- E30
- E32
- E34
- E31
- E36



Model Map

Allows the technician to find information on vehicle series, engine, and model year.

The model map is based on digits 4-7 of the VIN. These numbers determine the breaks in major changes during production.



OBD

All OBD information is stored under this option.

The following menus are available:

- Model \$06 Interface data
- OBD II Overview and Drive Cycle
- OBD II Systems



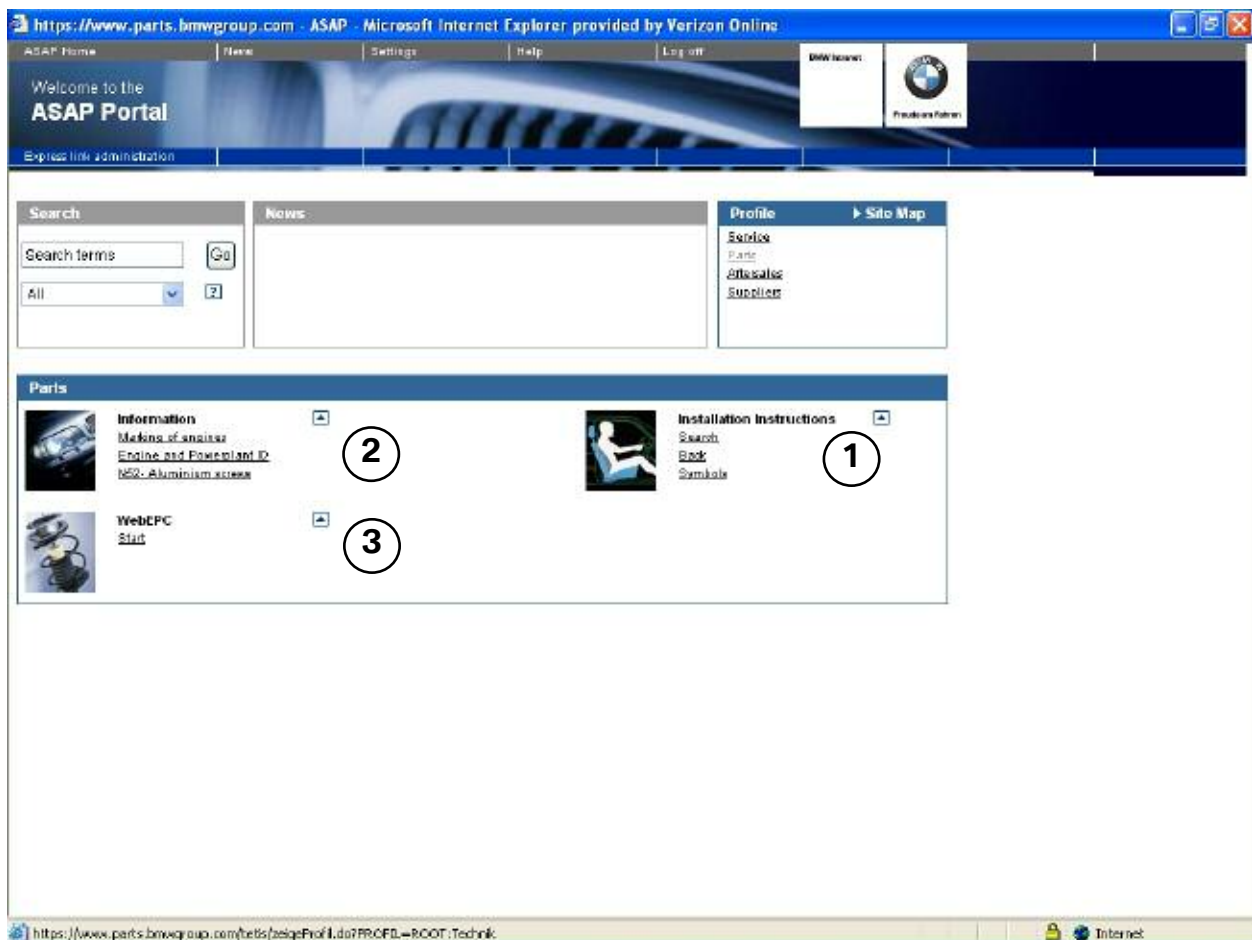
The screenshot shows the BMW of North America, LLC website interface. At the top, there is a navigation bar with links for Menu, My CenterNet, Site Map, Help, Messages, Feedback, and Logout. Below this is a secondary navigation bar with links for Fore sight, ICP, TIS, DCSnet, DEMS, and Directories. A search bar is located on the right side of the navigation bar. The main content area features the BMW logo and the heading "BMW of North America, LLC". Below the heading, there are several columns of links categorized under "What's New", "Service Information", "Operating Fluids", "Technical Training", "Parts Information", "Repair Information", "Special Tools", "ETM Information", "BMW Hunter", "Model Map", "ASAP", "DCS", and "Materials Ordering". The "OBD" link is highlighted in a white box, and it includes sub-links for "Mode \$06 Interface data", "OBD II Overview and Drive Cycle", and "OBD II Systems".

ASAP

Aftersales and Assistance Portal

This option is utilized to access information on:

1. Installation Instructions on original BMW accessories
2. Parts Information
3. Web Based Electronic Parts Catalog



DCS

Dealer Communication System

Allows a search of DCS messages released.

The DCS message may be searched by:

- Date
- Subject
- Keywords or Phrases



Note: If all DCS messages stored need to be recalled, leave all fields blank.

A screenshot of the Dealer Communication System search form. The page has a blue header with navigation links: Menu, My CenterNet, Site Map, Help, Messages, Feedback, and Logout. Below the header, there is a search bar with the text 'Menu Search' and a 'Search' button. The main content area is titled 'Dealer Communication System' and contains the following text: 'This form is used to search for existing DCS Messages. Please Note: when entering dates you must follow the MM/DD/YYYY format. Press the Search button to retrieve a list of messages that match the criteria currently entered. Leave all fields blank and press the Search button to retrieve a list of ALL messages.' Below this text is a red note: 'NOTE: Only Parts DCS messages of a permanent nature are stored in TIS.' The search form includes four input fields: 'Message Date', 'Expiration Date', 'Message Subject', and 'Message Key Word/Phrase'. At the bottom of the form are 'Search' and 'Clear' buttons. On the left side of the page, there is a 'DCS Messages' button and a 'Go to:' dropdown menu. A 'Model Map' button and a 'Contact Webmaster' link are also visible.

Materials Ordering

Several engineering information material have special SD part numbers. These part numbers cannot be ordered via the conventional parts ordering system. They have to be ordered via this interface.

Examples of material ordered here are:

- Inspection Checklists
- QC1 Checklists



NOTES

PAGE